What is claimed is:

CLAIMS

1. A method comprising the steps of:

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receiving a Session Initiation Protocol (SIP) message containing VPN information from an initiating application; and

registering the VPN information on a communication network.

- 2. The method of claim 1, wherein the communication network is a Multi-Protocol Label Switching (MPLS) network.
- 3. The method of claim 1, wherein the step of registering uses Multi-Protocol Border Gateway Protocol (MP-BGP) to distribute routing information associated with the initiating application to the communication network.
- 4. The method of claim 1, wherein the step of registering causes the communication network to establish network VPN tunnels.
 - 5. The method of claim 1, further comprising receiving a SIP message from an initiating application containing a request for network VPN resources.
- 20 6. The method of claim 5, wherein the request for network VPN resources comprises VPN information including requested bandwidth, duration, and quality of service.
 - 7. The method of claim 5, further comprising signaling the request to the communication network.
 - 8. The method of claim 7, wherein signaling the request to the communication network comprises instructing the communication network to reserve network VPN resources on a network VPN tunnel according to the VPN information.
- 9. The method of claim 5, further comprising forwarding a SIP invite message toward a destination application.

10. Software for providing network VPN services on demand, comprising:

program logic configured to register application-VPN-ID information associated with a first application on a communication network; and

program logic configured to interface with the communication network to obtain network VPN resources associated with the application-VPN-ID information upon receipt of a request for access to the network VPN resources from the first application.

- 11. The software of claim 10, further comprising program logic for maintaining a mapping between the first application and the network VPN resources provided to the first application.
 - 12. The software of claim 10, further comprising program logic configured to receive session initiation protocol (SIP) signaling from a SIP agent associated with the first application and to generate SIP signaling directed to a second application.
 - 13. A Service Virtual Private Network (S-VPN) gateway, comprising:
 - a Session Initiation Protocol (SIP) server configured to handle SIP signaling to enable a first application to register for network VPN resources using said SIP signaling.

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- 14. The S-VPN gateway of claim 13, wherein the SIP server is further configured to handle SIP signaling to enable the first application to request access to said network VPN services.
- 25 15. The S-VPN gateway of claim 14, further comprising a media signaling gateway configured to interface with at least one network device configured to participate in providing said network VPN services.
- 16. The S-VPN gateway of claim 14, further comprising a services module configured to provide authentication, authorization, and accounting services on the communication network.

17. The S-VPN gateway of claim 13, further comprising an application-VPN database configured to store information associating applications with network VPN resources on the communication network.

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